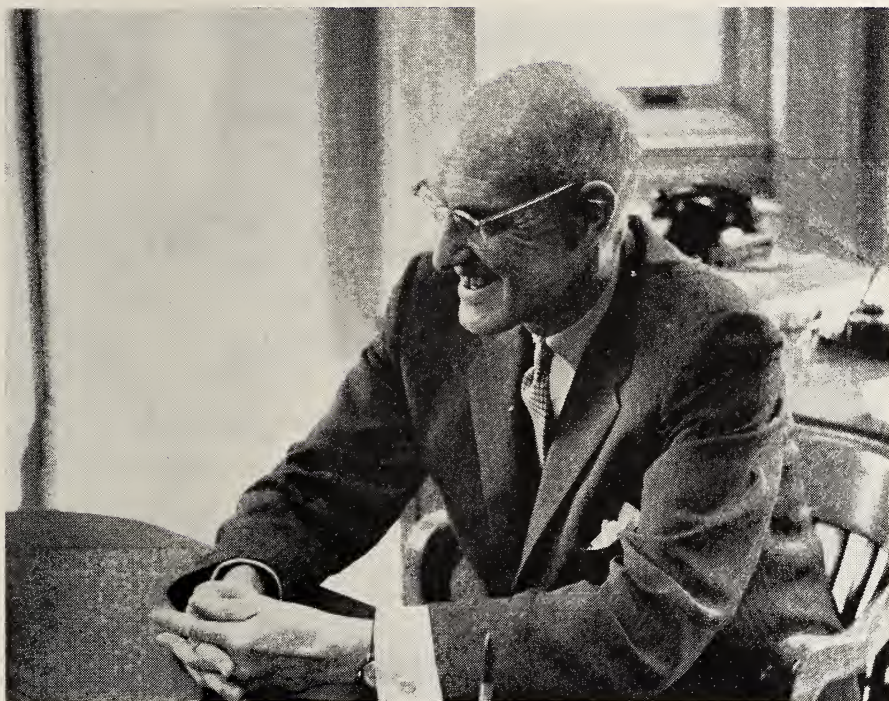


MARCH 1968

STAFF

bulletin

UNIVERSITY OF TORONTO



Dr. Donald G. Creighton, formerly chairman of the Department of History, and now The Sir John A. Macdonald Professor of History, has been appointed "University Professor" in the University of Toronto from July first next.

Changes in Payroll Procedures for Salaried Staff (See page 3)



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UNIVERSITY COLLEGE
Department of English
THE ALEXANDER LECTURES
1967-68
"THE USES OF LITERATURE, 1750-1850"
by
PROFESSOR FRANCIS E. MINEKA
Cornell University

Tuesday, March 26 *Heavenward*
Wednesday, March 27 *Earthward*
Thursday, March 28 *Inward*

West Hall, University College, at 4.30 p.m.

Changes in Payroll Procedures for Salaried Staff

Many of the administrative procedures currently in force have not kept pace with the dynamic growth of the University. The most glaring examples are the documentation of new staff and the payroll procedures. New systems are currently being developed which will make greater use of the computer. These new systems should be fully operative by the summer of 1968. In the meantime certain specific changes will become effective this spring. With a total staff in excess of 10,000 it is no longer possible to distribute cheques to salaried staff in the Payroll Department. At the present time some 4,000 pay cheques are distributed each month in the Payroll Office and this costly and time-consuming pay parade is to be eliminated for all except hourly rated employees. Members of staff will be given the choice of having their pay cheques mailed to their banks or mailed to their home addresses. Whichever method is chosen, a statement of salary and the deduc-

tions made therefrom will be mailed to the home addresses.

In September 1967 the Chief Accountant's Office issued payroll cheques to 10,413 staff members of the University of Toronto; this was 1,463 more than in September 1966, and 3,029 more than in September 1965. Last year 15,000 T-4 slips were prepared and mailed; this year the figure will be close to 20,000. Each month there are, on the average, 4,000 changes which must be incorporated into the payroll before pay cheques can be issued. Each January it is necessary to commence deductions for Canada Pension Plan and every month thereafter the deductions must be scrutinized so that they are stopped when the full amount required by law has been paid. Each time Income Tax rates change, the net pay for every staff member must be recalculated. Each July the Payroll Department is faced with the monumental task of calculating, setting up, and verifying some

80,000 individual changes in gross pay and personal deductions.

Needless to say, the Payroll Department has been hard pressed to keep up with this tremendous volume of work. That they have been able to do so is in no small measure attributable to a strong sense of devotion to their work and the realization that many of us are vitally concerned with our personal financial commitments which can only be met by receiving our regular pay cheques on time.

However, it became evident some time ago that changes were necessary in the methods and routines being followed if the Payroll Department was to continue rendering adequate service. It was realized too that the problem did not concern only Payroll but that it also involved the Personnel Department and the entire system commencing with the appointment of an individual to the staff. Accordingly, a special group was formed and assigned the task of designing better procedures which would ensure that the payroll was prepared as quickly and accurately as possible, and would provide accurate, up-to-date information for the Personnel Department. They were given the additional objective that the new system should eliminate all those weaknesses which have plagued everyone for some considerable time. Specifically, they were told to stop the nuisance of the monthly pay parade and to provide each staff member with a statement of his earnings and deductions, each month, regardless of how he received his pay.

In March, a new computer, an I.B.M. Series 360 model 40, is being installed to replace the existing I.B.M. Model 1401 which serves the Administrative needs of the University and this computer will be utilized to the fullest extent in the preparation of the payroll.

Most of the work done so far in connection with this system design has not directly

affected any staff member but certain changes will soon become evident as the new procedures are gradually introduced.

Over the next few months several changes are planned in the distribution of cheques and earning statements for those on the monthly payroll. Starting in March, earning statements will be sent to home addresses for staff members who have their cheques deposited in a bank.

In March and April home addresses will be shown on the cheques of all staff paid on a monthly basis who are not now taking advantage of the bank deposit arrangement. You are asked to notify the Payroll Department immediately of any changes, errors, or omissions as these cheques will be mailed to the home address commencing with the May pay. The mailing will be timed so that the cheques will arrive on the normal pay day which is usually the 28th of each month.

Cheques for hourly rated employees will continue to be prepared on a fortnightly basis and distributed in person as in the past.

Sometime in April a questionnaire will be distributed to every staff member. The information required is vital to the new Personnel-Payroll system and your full co-operation in filling in the answers and returning the form as quickly as possible is requested. Without this co-operation success with the new system will be well-nigh impossible.

It is anticipated that once the new system is fully operating, most, if not all, of the irritations in the present system will be eliminated. Of course, this will not happen overnight and not without the full support of every staff member. You will be kept informed of any further proposed changes as they are made.

A. G. RANKIN
Executive Vice-President
(Non-academic)

CHARTER FLIGHT TO BRITAIN

There are still seats available on the flight to London by BOAC jet which leaves Toronto on June 11 and returns on July 5. Application should be made in person at the Students' Administrative Council between 9 a.m. and 5 p.m. The other flights

are booked and have waiting lists. University of Toronto staff members and their spouses are eligible, as are dependant children and parents living with the eligible staff member. A \$100 deposit is required at time of application.

MARCH EVENTS

1 FRIDAY

- Open House Faculty of Architecture, Urban and Regional Planning and Landscape Architecture, 230 College St. Sandwiches and coffee for University staff and guests. 12.30 to 2 p.m. (The exhibition of student work will be open weekdays from 8.45 a.m. to 5 p.m. until March 8; Saturdays 9 a.m. to 6 p.m.; Sundays 2 to 6 p.m.)
- Lectures Committee on the History and Philosophy of Science. "Nicholas of Cusa and the New Cosmology". Prof. Raymond Klibansky, Department of Philosophy, McGill University. 102, Mechanical Building. 1.10 p.m.
- "The Art of Printmaking and Canadian Prints". Doris Pascal of Gallery Pascal. 245, Erindale College. 3.30 p.m.
- Department of Italian and Hispanic Studies. "Tales and the Fantastic". Jorge Luis Borges. 2117, Sidney Smith Hall. 4.30 p.m.
- Theatre Graduate Centre for the Study of Drama. Ibsen's "John Gabriel Borkman", directed by Leon Major and designed by Martha Mann. March 1 to 9 inc. Hart House Theatre. 8.30 p.m.
- Lecture-recital Irish Theatre Society presents lecture-concert recital featuring Michael Yeats, son of the Irish poet, W. B. Yeats, and his wife, Grainne, one of Ireland's leading harpists and traditional singers. Brennan Hall, St. Michael's College. 8.15 p.m. Tickets \$2. (\$1.25 for students). Telephone 925-5326.
- Colloquium Department of Computer Science. "Graphical Computer Programming within a Computer-Aided Programming System". R. K. Richardson, University of Illinois. 119 Galbraith Building. 11 a.m.
- Demonstration Print workshop by Vera Frankel and Katja Jacobs. All day, beginning at 10 a.m. Erindale College.
- Athletics Hockey Playoffs. First and fourth place teams at 6 p.m. and second and third place teams at 8.45 p.m. Varsity Arena.

2 SATURDAY

- Lecture Royal Canadian Institute. "Travel by Skyways in the 1970's". Duncan C. Marshall, program manager, New Aircraft, Dorval Base, Air Canada. Convocation Hall. 8.15 p.m.
- Athletics Hockey Playoff by winners of Friday's games. Varsity Arena. 2 p.m.

3 SUNDAY

- Films** "Between the Tides"; "The Animal Movie"; "The Flight of Gemini IV"; and "The Romance of Transportation in Canada". Royal Ontario Museum Theatre. 2 p.m. Free.
- Music** Concert of electronic music, directed by Dr. Samuel J. Dolin. Scarborough College. 3.45 p.m.
- Hart House Sunday Evening Concert. Hart House Glee Club, Walter H. Barnes, director. Great Hall. 8.30 p.m. Tickets at the Hall Porter's desk (limited number available to women).

4 MONDAY

- Lectures** "Evolution in the XIX Century—Without the Darwins" series. Dr. W. E. Swinton. "A. R. Wallace and T. H. Huxley; Two Sailor-naturalists". Seeley Hall, Trinity College. 5.30 p.m.
- Faculty of Architecture, Urban and Regional Planning and Landscape Architecture. "The Design of Urban Communities". Sir Hugh Wilson, President of the Royal Institute of British Architects; architect-planner of Cumbernauld New Town, Scotland. 103, Architecture Building. 8.30 p.m.
- Meeting** The annual meeting of Tau Tau Chapter of Omicron Kappa Upsilon (honour dental society). Westbury Hotel. 4 p.m. Speaker: Senator M. Wallace McCutcheon.
- Colloquium** Department of Computer Science. "Automata Theory". Richard Campbell, Case Institute of Technology, Cleveland. 134 McLennan Physical Laboratories. 4 p.m.

5 TUESDAY

- Open House** Institute of Child Study, 45 Walmer Rd. Guided tours of nursery school, kindergarten and elementary grades. Tuesday and Wednesday. 9 a.m. to 12 o'clock noon.
- Lecture** ROM's Far Eastern Department, and Department of East Asian Studies, School of Graduate Studies. "Ritual Art in Tribe and Village in India". Prof. Stella Kramrisch, curator of Indian Art, Philadelphia Museum of Art. Museum Theatre. 4.20 p.m. Free.

6 WEDNESDAY

- Tours** Ten-to-One Tours. Half-hour tours of Greek and Egyptian galleries start in the ROM main rotunda at 12.50 p.m.
- Lecture** School of Graduate Studies, Department of Physiology. "Inhibitory Mechanisms in the Cerebral Cortex". Dr. K. Krnjević, McGill University. 417 Charles H. Best Institute. 4 p.m.
- Seminar** School of Graduate Studies, Department of Astronomy. "Properties of Horizontal Branch Stars as Inferred from Pulsation Characteristics of RR Lyrae Stars". Dr. Norman Baker, Columbia University. David Dunlap Observatory. 4 p.m.
- Colloquium** Department of Computer Science and Centre for Linguistic Studies. "Syntax Acquisition by Children". L. H. Reeker, Carnegie-Mellon University, Pittsburgh. 134 McLennan Physical Laboratories. 4 p.m.

7 THURSDAY

- Lectures University College Public Lecture Series. "Open-ended Techniques in the American Novel". Prof. Stephen Martineau. West Hall, U.C. 4.10 p.m.
- Department of Italian and Hispanic Languages and Literatures. "The Spanish Renaissance Epic". Prof. F. W. Pierce, University of Sheffield. Upper Library, Massey College. 8 p.m.
- Centre for Medieval Studies. "Malory's *Book of Sir Tristram de Lyones*". Prof. Larry D. Benson, Harvard University; visiting lecturer, School of Graduate Studies, U. of T. Upper Library, Massey College. 4 p.m.
- Poetry Reading Hart House Art Gallery. 1.15 p.m. Ladies welcome.
- Seminars School of Graduate Studies, Department of Physiology. "Chemical Factors Concerned in Cortical Activity". Dr. K. Krnjević, McGill University. 417 Charles H. Best Institute. 11 a.m.
- Institute for Aerospace Studies. "Problems in Subsonic Aerodynamics". Dr. G. V. Parkinson, University of British Columbia. Main lecture room. 2 p.m.
- Department of Chemical Engineering. "Industrial Contract Research". Dr. W. M. Campbell, Director of Research, Ontario Research Foundation. 2034 Wallberg Building. 3 p.m.
- Ceremony The Victoria College Library will be officially named The E. J. Pratt Library. 4.30 p.m. Reception follows. Members of the staff are invited.
- Theatre Graduate Centre for the Study of Drama sponsors the celebrated Japanese Nomura Kyogen Troupe, who will perform a program of three Kyogen plays (comic interludes). MacMillan Theatre, Edward Johnson Building. 8 p.m. Tickets \$2.50 (students \$1.25) from Hart House Theatre box office.
- Demonstration Graduate Centre for the Study of Drama. Public lecture-demonstration of the art of Kyogen by the Nomura Company. Cartwright Hall, St. Hilda's College. 4 p.m. Free.

8 FRIDAY

- Lecture Department of Italian and Hispanic Languages and Literatures. "Cervantes' *El celoso extremeño*". Prof. F. W. Pierce, University of Sheffield. 1074 Sidney Smith Hall. 3 p.m.
- Seminar Centre for Medieval Studies. "The Audience of Old English Poetry". Prof. Larry D. Benson, Harvard University. Upper Library, Massey College. 4 p.m.

9 SATURDAY

- Lecture Royal Canadian Institute. "Archaeology Under Water". Dr. Walter A. Kenyon. Convocation Hall. 8.15 p.m.

10 SUNDAY

Music

International Electronic Music Concert arranged by Gustav Ciamaga and composer Norma Beecroft. Sigmund Samuel Canadiana Building, 14 Queen's Park Cresc. W. 3 p.m. Adults \$1.50 (ROM members, students and children \$1). Tickets at door.

R. H. King Senior Choir, Garth Allen conductor. Scarborough College. 3.45 p.m.

University of Toronto Concert Band. MacMillan Theatre, Edward Johnson Building. 3 p.m. Free. No tickets required.

11 MONDAY

Lectures

School of Graduate Studies, Department of Physiology. "Some Regulatory Mechanisms for External Pancreatic Secretion". Dr. R. M. Preshaw, Mayo Clinic. 417 Charles H. Best Institute. 11 a.m.

Department of Italian and Hispanic Languages and Literatures. "Manuscript Research on Renaissance Humanism". Prof. Paul Oskar Kristeller, Columbia University. 1085 Sidney Smith Hall. 4.10 p.m.

Colloquium

Department of Computer Science. "Recent Developments in Fully-automatic Document Retrieval". Prof. G. Salton, Department of Computer Science, Cornell University. 134 McLennan Physical Laboratories. 4 p.m.

13 WEDNESDAY

Tours

Ten-to-One Tours. "China" and "Birds" are the topics of two half-hour gallery tours beginning in the ROM main rotunda at 12.50 p.m.

Lecture

International Studies Program, Latin American Studies Committee. "The University of the Valley—Dynamic Educational Enterprise". Dr. Gerardo Ramos, Universidad del Valle, Cali, Colombia. 202 Galbraith Building. 4 p.m.

14 THURSDAY

Lecture

Committee for the History and Philosophy of Science. "Physics and Tradition—Leonardo to Galileo". Prof. Stillman Drake. 102 Mechanical Building. 1.10 p.m.

Centre for Medieval Studies. "Medieval Houses in the 12th and 13th Centuries." Prof. Urban T. Holmes, Kenan Professor of Romance Philology, University of North Carolina; visiting lecturer, School of Graduate Studies here. Room 104, U.C. 4.30 p.m.

Music

Faculty of Music Thursday Afternoon Series. Collegium Musicum. Free. No tickets required.

Faculty of Music Special Events Series. The Early Music Quartet. Concert Hall, Edward Johnson Building. 8.30 p.m. Standing room on day of performance. 928-3744.

Seminar

School of Graduate Studies, Departments of Astronomy and Physics. "Recent Investigations of Quasi-stellar Sources". Dr. J. B. Oke, Mount Wilson and Palomar Observatories. 102 McLennan Physical Laboratories. 4 p.m.

Poetry Reading

Hart House Art Gallery. 1.15 p.m. Ladies welcome.

15 FRIDAY

- Seminar Centre for Medieval Studies. "Medieval Houses, Town, Manor and Palatial". Prof. Urban T. Holmes, University of North Carolina. Upper Library, Massey College. 3 to 5 p.m.
- Lectures Graduate Centre for the Study of Drama. Gustav Hillestrom will give an illustrated lecture on the eighteenth century Drottningholm Court Theatre at Stockholm, of which he is director. Cartwright Hall, St. Hilda's College. 3 p.m. Free.
- Royal Astronomical Society of Canada. "Novae and Supernovae". Prof. Maurice Clement. 1035 Wallberg Memorial Building. 8 p.m.

16 SATURDAY

- Lecture Royal Canadian Institute. "The Biological Day". Dr. Colin S. Pittendrigh, Dean of the Graduate School, Princeton University. Convocation Hall. 8.15 p.m.

17 SUNDAY

- Film Cousteau's memorable film "The Silent World". Museum Theatre. 2 p.m. Free.
- Music Accordion recital by Joseph Macerollo. Scarborough College. 3.45 p.m.
- Service Memorial Service for the late Rt. Hon. Vincent Massey. Great Hall, Hart House. 4.30 p.m. The choir will sing *I heard a voice from heaven* (Thomas Tomkins, c1572-1656); *Lord, let me know my end* (Matthew Lock, c-1630-1677); and *Out of the deep* (Adrian Batten, c1580-1637). Violincello and organ will play *A Ground* (Orlando Gibbons, 1583-1625).

18 MONDAY

- Colloquium Department of Computer Science. "The SAC-1 System for Symbolic and Algebraic Calculation". Prof. G. E. Collins, University of Wisconsin. 134 McLennan Physical Laboratories. 4 p.m.
- Lecture Faculty of Architecture, Urban and Regional Planning and Landscape Architecture. "New Ways of Building". Ralph Iredale, Architect, specialist in industrialized, non-traditional building systems. 103 Architecture Building. 8.30 p.m.

19 TUESDAY

- Lecture United Nations in Canada and Division of University Extension. "The International, National and Local Issues in the Field of Human Rights". Dr. Daniel G. Hill, director, Ontario Commission for Human Rights. Scarborough College. 8 p.m. Tickets \$1.25.

20 WEDNESDAY

- Tour Ten-to-one Tours. A half-hour tour spotlighting selected treasures on the main floor of the ROM begins at 12.50 p.m. in the main rotunda.

21 THURSDAY

- Films Children's Film Festival. For youngsters, during the Easter vacation, an all-day film festival will be held in the ROM theatre. The morning program starts at 10.30 a.m. with four films: "Paddle to the Sea"; "Prehistoric Animals of the Tar Pitts"; "Tí Jean Goes Lumbering"; and "The Red Balloon". The afternoon program begins at 1.30 p.m. and offers three classic films: "Nanook of the North"; "Beaver Valley" and "Notes on a Triangle". Admission to each session: children 15¢; adults 25¢.
- Lecture Faculty of Music Thursday Afternoon Series. Prof. Godfrey Ridout—Composers on Campus II. "La Prima Ballerina and Other Indiscretions". Concert Hall, Edward Johnson Building. 2 p.m.
- Seminar Department of Chemical Engineering. "Solid and Liquid Aqueous Solutions". Dr. G. N. Glew, Dow Chemical of Canada Ltd., Sarnia. 2034 Wallberg Building. 3 p.m.

22 FRIDAY

- Lecture Committee on the History and Philosophy of Science. "Mersenne and the Problem of Scientific Acceptability". Prof. Alistair Crombie, head of the Department of the History of Science, Oxford University. 102 Mechanical Building. 1.10 p.m.
- Supper Faculty Club. Buffet Supper, 6 to 8 p.m.; dancing 8 p.m. to midnight. Stan Bernard Quartet.

24 SUNDAY

- Music Music by Canadian composers performed by soprano Mary Morrison; flutist Robert Aitken; and pianist Marion Ross. Last in the series of concerts at Canadiana, 14 Queen's Park Cresc. W. 3 p.m. Admission: adults \$1.50 (ROM members, students, children \$1.).
- The Gentlemen and Boys of St. Simon's Anglican Choir, Edgar Hanson, director. Scarborough College. 3.45 p.m.
- Faculty of Music Stage Band concert. Great Hall, Hart House. 8 p.m.

25 MONDAY

- Lectures School of Social Work "Minds on the Move" series. "Relating Taxation Policy to the Needs of People". Kenneth LeM. Carter, chairman, Royal Commission on Taxation. Convocation Hall. 4 p.m.
- Faculty of Architecture, Urban and Regional Planning and Landscape Architecture. "The Development of Canada's Northland". James Lotz, research professor and associate director, Canadian Research Centre for Anthropology. 103 Architecture Building. 8.30 p.m.
- Colloquium Department of Computer Science. Dr. O. Widlund, University of Uppsala, Sweden, will give a colloquium on Numerical Analysis. 134 McLennan Physical Laboratories. 4 p.m.

26 TUESDAY

Lectures

School of Graduate Studies, Department of Physiology. "The Origin of the Ketosis and the Hypoglycaemia in Spontaneous Bovine Ketosis". Dr. D. S. Kronfeld, School of Veterinary Medicine, University of Pennsylvania. 417 The Charles H. Best Institute. 11 a.m.

Archaeological Institute of America, Toronto Society. "Athens in the Time of Byron". Prof. C. W. J. Eliot, University of British Columbia. Museum Theatre. 2 p.m. Free.

University College—The Alexander Lectures, 1967–68. "The Uses of Literature, 1750–1850". Prof. Francis E. Mineka, Cornell University. Tuesday, Wednesday and Thursday, March 26 to 28, at 4.30 p.m. West Hall, U.C.

Music

Orpheus Choir of Toronto (John Sidgwick, director-conductor) present *Messiah* by Handel (Shaw's edition), featuring counter-tenor Alfred Deller with a Baroque ensemble. Eaton Auditorium. Mail orders accepted. Box office open March 18 (\$4, \$3, \$2). UN 1-1144.

27 WEDNESDAY

Tour

Ten-to-One Tour. Selected treasures on the second floor of the ROM will be featured in the half-hour tour starting at 12.50 in the main rotunda.

28 THURSDAY

Music

Faculty of Music Thursday Afternoon Series. Faculty Ensembles and Concert Choir. Concert Hall, Edward Johnson Building. 2 p.m.

31 SUNDAY

Open House

Hart House Visitors' Sunday. 2 to 5 p.m. Tea from 3 to 4.30 p.m.

Music

Orchestral concert, Wilson Swift conducting. Program to include music from the ballet. Scarborough College. 3.45 p.m.

APRIL

1 MONDAY

Dinner

Faculty Club. Honorary Members' Dinner. Reception, 6.15 p.m.; dinner, 6.45 p.m. Regular dinners will not be served.

4 THURSDAY

Seminar

Department of Chemical Engineering. "The Role of the Chemical Engineer in Research and Development". Dr. R. Landau, President, Halcon International, Inc., New York. 2034 Wallberg Building. 3 p.m.

7 SUNDAY

Music

Orchestral concert, Wilson Swift, conductor. Program to include cello concerto and Haydn's *Farewell Symphony*. Scarborough College. 3.45 p.m. Free.

University of Toronto Senate:

Summary of Minutes, Feb. 9, 1968

(1) The minutes of the meeting of January 12, 1968 were approved with the following addition:

The Senate passed a motion recommending to the Acting President that the members of the proposed committee on the structure of the University be named as soon as feasible.

(2) Mr. Faulkner, President of the Students' Administrative Council, addressed the Senate on the subject of student representation on governing bodies of the University.

(3) The Senate received a letter of appreciation for the expression of sympathy by the Senate at the death of Professor W. H. T. Baillie.

(4) The Senate received statistical summaries from The College of Education.

(5) The Senate received a letter from the Secretary of the Board of Governors approving the limitation of enrolment in the first year of Degree and Diploma courses to 100 students in the Faculty of Music for the session 1968-69.

(6) The Senate approved a report from the Council of the Faculty of Medicine recommending the conferring of a Bachelor of Science (Medicine) degree.

(7) The Senate approved a report from the Council of the School of Graduate Studies recommending the conferring of 122 graduate degrees, including 25 Ph.D. degrees, 20 M.A. degrees, 36 M.Sc. degrees, 29 M.A.Sc. degrees.

(8) The Senate approved a report from the Council of the School of Hygiene recommending the award of a Diploma in Hospital Administration.

(9) The Senate approved the appointment of four non-University examiners in the Diploma Course in Business Administration.

(10) The Senate approved a report of the Executive Committee reporting as follows:

(i) reporting approval by the Executive Committee of the reports of the following Boards of Studies:

- (a) Board of Education Studies
- (b) Board of Musical Studies
- (c) Board of Hygiene Studies
- (d) Board of Child Studies
- (e) Board of Arts and Science Studies
- (f) Board of Legal Studies
- (g) Board of Food Sciences Studies

(h) Board of Forestry Studies

(i) Board of Graduate Studies

(j) Board of Pharmaceutical Studies

(k) Board of Architectural Studies

(ii) reporting that a sub-committee of the Executive Committee has been formed to meet with the University solicitors to study the legal problems involved in student representation on the Senate and in the election to the Senate of faculty representatives from the School of Graduate Studies.

(iii) reporting that the Executive Committee has arranged for a communication about the Macpherson Committee Report to the March meeting of the Senate.

(iv) At the request of the Executive Committee, the Vice-Provost of the University spoke briefly on the relationship of the new Student Centre and Hart House. He reported that, while no formal relationship existed, the Students' Administrative Council had accepted membership on a Committee to study the future of Hart House. It was expected that this committee would be able to provide coordination in planning.

(11) The Senate approved a report of the Committee on Admission Standards, recommending and reporting as follows:

(i) recommending revision of admission requirements in the following Faculties:

(a) The Faculty of Architecture, Urban and Regional Planning and Landscape Architecture removing restrictions on optional subjects.

(b) The Faculty of Forestry adding History to the list of optional subjects.

(c) The Faculty of Food Sciences changing the admission requirement from 60% to 64%.

(d) The Faculty of Medicine changing the admission requirement for the Pre-Medical Course from 60% to 70%.

(e) The Faculty of Music changing the admission requirement from 60% to 64% and changing several of the Professional Requirements.

(f) The Faculty of Arts and Science changing the musical qualifications for admission to the Honour Course

in Music to read: "Certificates of the Royal Conservatory of Music of Toronto for Grade VIII in voice or instrument, Grade II Theory and Grade III Harmony (or their equivalents)".

(ii) reporting that the Committee had met with representatives of the Toronto secondary schools to discuss the situation in Grade 13 following the elimination of Grade 13 departmental examinations.

(12) The Senate approved a report of the Committee on Scholarships and Other Awards concerning the establishment of one new award, an amendment to one existing

award, and four withdrawals of existing awards.

The Committee reported to the Senate that, with the elimination of the final Grade 13 examinations, criteria similar to those that will be used by the Office of Admissions should be used in choosing candidates for admission scholarships. It is proposed to use a formula for scholarship candidates combining Grade 12 final and Grade 13 mid-term averages and Ontario Scholastic Aptitude Test scores. In addition, several other factors will be taken into account—previous record of the various schools, a principal's assessment of his own candidates, the university course applied for.

The President's Council

At a special meeting of the President's Council on Jan. 24, Alex Rankin described the situation facing the administrative services in his bailiwick—i.e., the accounting, payroll, pensions, personnel, purchasing, planning, construction and engineering, and building and utilities maintenance services—and explained why, in his opinion, that situation necessitated the occupation by those services of more space in the administration building at 215 Huron Street. On top of the regular work of these central services, a very large additional workload has been superimposed in the last few years. The Department of University Affairs has laid down new requirements for the filing of extensive and detailed reports on capital projects; the payroll has gone up to 10,000 persons, the number of appropriation accounts to 8,000, the total of assisted research funds has in the past four years increased from six to thirteen million dollars. The addition of buildings has created needs for additional heating and chilling capacity, for a new Hydro terminal, for new electrical and water installations, traffic controls, and parking arrangements, and there are new and stringent fire and safety requirements imposed by the City. Simultaneously, the regular work of these central services has for some time been falling progressively further behind schedule, in spite of herculean efforts and almost continuous overtime, because the expansion of the University has overtaken the capacity of the existing system and personnel to provide the necessary services, and there is no room to accommodate any more staff. Some of

the results of this dilemma are inexcusable: cheques for pensioners have been delayed for weeks or months, persons newly on pension or newly bereaved have been unable to ascertain their entitlement, clear explanations about the new pension scheme should have been distributed two years ago but are still unavailable; salary alterations, statements of deductions, and T4 forms have been unreasonably delayed; construction and renovation projects have bottlenecked. So that the same staff which is demonstrably inadequate to cope with the regular workload is now up against additional demands which cannot be met by any conceivable amount of overtime work, and the density in all the administrative offices is so great that no more staff can be squeezed in.

After studying a great many alternatives, including the moving, decentralization, and/or "farming out" of some or all administrative services, Mr. Rankin had concluded that the only feasible solution lay in a massive reorganization and modernization of the administrative systems and procedures; it would be necessary to take over some of the space in the administration building that is temporarily being occupied by two academic departments, so that the needed personnel can be added, a new computer can be brought in, and a thorough systems reorganization can take place, with the persons who must learn to work within a modern system of computerized procedures located in close contact with the computer and with each other. The loading facilities, University stores, etc., that were incorporated in the design of 215 Huron Street

make that building the only sensible location for the maintenance, construction and engineering services, with their draughtsmen; they will use data from the computer, as will the planning, payroll, accounting and personnel offices. To initiate a better-integrated operation will require a degree of liaison that could not be achieved if the heavy users of the data were dispersed in different buildings. (It was pointed out that, ideally, Statistics and Records should also be in close proximity to the computer, although that is not encompassed in the present plans.) If we already had sophisticated, automated procedures, it would be possible to manage with a dispersed staff using the computer by remote control, but in the existing situation it would be unwise as well as expensive to attempt such an operation; the change-over will be difficult enough as it is. Mr. Rankin felt that, having regard to the health of the University, there was no alternative to expanding the space occupied by administrative personnel in 215 Huron Street, even though this involved the relocation of an academic department.

Vigorous opposition was expressed to the disturbing of an academic department for the sake of administrative convenience; but the Council finally recommended to the Acting President that one academic department be moved from 215 Huron Street to suitably refurbished quarters in the upper floors of the Borden garage.

At the regular President's Council meeting on Feb. 12, Professor C. E. Hendry described recent developments throughout the province and the country in the education of personnel for social welfare services and indicated the current thinking in our own School of Social Work about its role in this rapidly changing situation.

The subcommittee under the chairmanship of Professor McNeill that was asked to consider the application of the general regulations about tenure and appointments to the Faculty of Medicine presented its report, and after discussion and some elucidation of the circumstances that are peculiar to the clinical departments in that Faculty, the Council recommended acceptance of the report. The salient points of the report are (1) the inclusion of heads of hospital services and representatives of hospital Trustees on the committee of appointment for the head of a hospital division; (2) the designation of full-time teaching/research staff who are supported by non-university funds as "full-time adjunct staff members"; and (3) the continuation, for a period of five years, of the traditional practice of appointing chairmen of clinical departments without a term of office being established, provided, however, that a committee of the same construction as that which originally recommended the appointment of the chairman should review his work at the end of every five years after the initial appointment. The report states that the reason for recommending this exception to over-all University practice in the case of the clinical departments in Medicine is to allow time for the major changes now under way in the organization and development of the clinical departments and in the relationships between university departments and teaching hospital services. The Council, in approving the report, recognized the need for consultation with hospital authorities about some of its implications, and recommended that the Acting President take whatever steps are needed to have it made part of the University's policy on tenure and appointments.

DEADLINE: APRIL 15

STAFF BULLETIN is published by the Department of Information, University of Toronto, and edited by Mrs. Winogene Ferguson. Copy for the May-June issue must reach the editor (Room 225, Simcoe Hall, telephone 928-2102) *not later than April 15.*

Exhibitions

Victoria University's collection of E. J. Pratt manuscripts, including recent acquisitions, will be on view in The E. J. Pratt Library (Victoria College Library) from March 1 to 15.

Open House of the Faculty of Architecture, Urban & Regional Planning and Landscape Architecture will be held from Feb. 29 until Friday, March 8. This is an exhibition of work done by the students of the faculty including displays of models, drawings, sketches, paintings, etc., and will be open weekdays 8.45 a.m. to 5 p.m.; also Saturday, March 2, 9 a.m. to 6 p.m. and Sunday, March 3, 2 to 6 p.m.

The Arts of India and Nepal. More than 250 sculptures, paintings and luxurious objects from daily life highlight the major periods of Indian art up to the 19th century. This is the first major exhibition of Indian art to be shown in Canada. Illustrated cata-

logue is available. Tours of the Exhibition at 11 a.m. and 2 p.m. Admission: adults 75 cents, students and children 25 cents. ROM Exhibition Hall. Until March 10.

Arctic Exploration. Prints, maps, journals and artifacts associated with early Arctic exploration are on display at the Sigmund Samuel Canadiana Building, 14 Queen's Park Cres. W. Until March 5.

Nature Photographs. Prints by Jeanne White of Ottawa, whose photographs hung in the Canadian Pavilion at Expo, are on display in the ROM's Lower Rotunda. Until March 24.

Allan Brooks. Bird Paintings. The late Allan Brooks was regarded as one of Canada's finest bird painters and ornithologists. Part of the collection of his paintings assembled by Wallace Havelock Robb and presented to the ROM is on view in the ROM's third floor Rotunda. Until March 31.

Appointments and Promotions

The University

DONALD G. CREIGHTON has been appointed "University Professor" in the University of Toronto from July 1 next.

Now The Sir John A. Macdonald Professor of History, Dr. Creighton began teaching at the University of Toronto in 1927. He became chairman of the department of history in 1955, a post he gave up four years later to devote more time to research and writing.

Professor Creighton has written extensively on Confederation and his two-volume biography of Sir John A. Macdonald won Governor-General's medals in 1952 and 1955. Two years ago he was one of two writers who each received the first \$15,000 Molson Prizes awarded by the Canada Council.

Dr. Creighton is the second "University Professor" at Toronto, Dr. Northrop Frye having been given this title a year ago when he relinquished his position as principal of Victoria College.

Arts and Science

DONALD P. KERR has been appointed chairman of the Department of Geography, of which he has been acting chairman.

A member of the Toronto staff since

1946, Dr. Kerr is an urban geographer with special interests in the location of industry and the general problems of regional economic growth.

Graduate of the University of British Columbia, he earned his M.A. at Toronto, was a meteorological officer with the R.C.A.F., 1943-45, then studied at the University of California, Berkeley, and in 1950 received his Ph.D. from Toronto.

Among many publications are *The Changing Face of Toronto—a study in Urban Geography* (with Jacob Spelt) and the recent *Metropolitan Dominance in Canada*, in the publication *Canada, A Geographical Interpretation*, Centennial Volume of the Canadian Association of Geographers.

Dr. Kerr is past president of the Canadian Association of Geographers, member of the Canadian Committee of the International Geographical Union, and member of the National Advisory Committee for Geographical Research.

The following have been promoted to associate professor, effective next July 1: I. G. CSIZMADIA and G. H. SCHMID (Chemistry); R. L. ARMSTRONG (Physics); R. O. KROGER and B. B. SCHIFF (Psychology).

E. L. SHORTER (History) was promoted to assistant professor effective Feb. 1.

University College

JOHN J. CARROLL has been appointed chairman of the Department of English in University College effective July 1. In this post he replaces Clifford Leech, who continues on the staff.

Dr. Carroll, 38, was born in Peoria, Illinois. He earned B.A. degrees from the University of Illinois, and from Oxford University, where he was a Fulbright Scholar.

After two years in the U.S. Army, including thirteen months in Korea, he earned his Ph.D. at Harvard, as did his wife, who now teaches at Trinity College. Prof. Carroll has been at University College since 1958 and was made professor last year.

He edited *Selected Letters of Samuel Richardson*, published in 1964 by Oxford University Press; is the editor of a forthcoming collection of critical essays on Richardson; is author of many articles and reviews; and has given two series of lectures on the modern novel for the CBC.

Prof. Leech took over the chairmanship of the department four years ago. Previously he taught at the Universities of Wales and Durham, and was head of the Durham English Department from 1954 to 1963.

Innis College

PETER H. RUSSELL has been appointed acting principal of Innis College, replacing Principal Robin Harris, who will be on leave during 1968-69.

Now associate professor of political science, Prof. Russell joined the Toronto staff in 1958 as lecturer, rising to assistant professor in 1963 and associate professor in 1965.

This year he is an honorary research associate at Harvard, and holds a C. D. Howe Memorial Fellowship to enable him to devote time to his research project on the Supreme Court of Canada.

Prof. Russell's publications include the book, *Leading Constitutional Decisions*; he was editor of and contributor to *Nationalism in Canada*; and from 1964-67 he was review editor of the *Canadian Journal of Economics and Political Science*.

A graduate of Trinity College in philosophy, he was a consistent scholarship winner. He was also athletic manager, debater, head of his year, naval reservist, and summer weekly newspaper editor. In 1954 he went to Oxford on a Rhodes scholarship,

graduating in political science and economics.

Medicine

IRVING B. FRITZ, professor of physiology in the University of Michigan, has been named professor and chairman of the Banting and Best Department of Medical Research, with effect from July 1.

Dr. Irving Fritz was born in Rocky Mount, N. Carolina, in Feb., 1927. He joined the University of Richmond, Va., in 1943 and in 1948 gained his doctorate in dental surgery from the Medical College of the Virginia School of Dentistry. In 1951, he gained his Ph.D. in physiology from the University of Chicago and then spent two years with the U.S. Army Dental Corps. After a two year post-graduate fellowship at the Institute of Medical Physiology, Copenhagen, Denmark, he was appointed assistant director of the Department of Metabolic and Endocrine Research, Michael Reese Hospital, Chicago. In 1956, he was named assistant professor of physiology, University of Michigan. He became associate professor in 1960 and professor in 1964.

Dr. Fritz's research interests are in general metabolic endocrine physiology, in the inter-relations between carbohydrate and lipid (fat) metabolism and in the function of the vitamin carnitine in lipid metabolism. Alone or with others, he has authored 42 research papers and publications.

Sunnybrook Hospital

This September Sunnybrook Hospital will embark on a program of medical undergraduate training for the first time in the history of the hospital when students are assigned there in their final year of training.

In preparation for Sunnybrook's role as a teaching hospital, the University of Toronto has, for the past year and a half, been recruiting senior teaching and medical staff.

On July 1, 1967, DR. DONALD L. McRAE became radiologist-in-chief at Sunnybrook Hospital, and professor of Radiology at the University of Toronto. A graduate of the University of Toronto, Dr. McRae took his training in Radiology at the Royal Victoria Hospital, Montreal. Until June, 1967, he was radiologist-in-chief of the Montreal Neurological Institute, Montreal, and an associate professor of Radiology at McGill University.

Also on July 1, DR. DOUGLAS H. JOHNSON joined the staff of Sunnybrook as head of the Department of Family Practice. A graduate of the University of Toronto, he interned at Toronto Western and Sunnybrook Hospitals.

DR. IAN DUNCAN became head of the Department of Microbiology, August 1, 1967. Dr. Duncan is a 1952 graduate of Glasgow University where he trained in Bacteriology and Virology. From 1955 to 1957 he was a member of the staff of The Hospital for Sick Children, Toronto. A Fellow of the Royal College of Physicians and Surgeons of Canada in the specialty of Bacteriology, Dr. Duncan is an associate professor of bacteriology at the U. of T. and former associate professor of Bacteriology at the University of Western Ontario and director of Microbiology at St. Joseph's Hospital, London, Ontario.

DR. SHEILA McDONALD was appointed to assist Dr. Duncan in the Department of Microbiology last October. She is a graduate of Edinburgh University where she trained in Bacteriology and Virology. From 1959 to 1961 Dr. McDonald was a research fellow in Bacteriology at The Hospital for Sick Children. At the time of her appointment she was a lecturer in Bacteriology at the University of Edinburgh.

Last September DR. PETER H. PINKERTON joined Sunnybrook Hospital as head of the Department of Laboratory Haematology. A 1958 graduate of the University of Glasgow, Dr. Pinkerton trained in Pathology and Haematology at Glasgow University. In 1962 he took a year's training at Oxford University and in 1965, prior to accepting this position at Sunnybrook, he was at the State University of New York at Buffalo, N.Y.

DR. A. MALKIN is continuing in his previous appointment as head of Medical Biochemistry at Sunnybrook. Dr. Malkin is an associate professor of the Department of Pathological Chemistry at U. of T.

On May 1, PROF. BRUCE CRUICKSHANK will arrive at Sunnybrook Hospital to become head of the Department of Pathology. Dr. Cruickshank, presently professor of Pathology at the University College of Rhodesia and Nyasaland, Salisbury, Rhodesia, recently resigned his post there as dean of Medicine. An Edinburgh graduate, Dr. Cruickshank held important teaching posts at the University of Glasgow from 1956 to 1964. From 1959 to 1960 he was an exchange professor at the Mallory Insti-

tute in Boston, Mass. Prior to going to Rhodesia he was senior lecturer in Pathology at the University of Glasgow.

This July 1 will herald the arrival of DR. ALAN NOBLE as chief of the Anaesthesia Department. He is presently anaesthetist-in-chief at the Royal Victoria Hospital in Montreal.

Music

BOYD NEEL, dean of the Royal Conservatory of Music, will become acting director of the Faculty of Music on the retirement of ARNOLD WALTER at the end of June. After six months leave Dr. Walter will return as professor in the graduate school.

Educated in Vienna, Prague, and Berlin, Dr. Walter came to Canada in 1937 and soon after joined the Royal Conservatory staff. He became director of the Conservatory Senior School in 1945 and director of the Faculty of Music in 1952. He was the first director of the Conservatory Opera School, is past president of the Canadian Music Council, the Canadian Association of University Schools of Music, which he founded, and the International Society of Music Education. Dr. Walter is first vice-president of the Inter-American Music Council of the Pan-American Union, and a member of the board of the National Arts Centre in Ottawa.

Graduate Studies

MILLAR MACLURE, chairman of the Department of English, Victoria College, has been appointed chairman of the Graduate Department of English.

Architecture

(Faculty of Architecture, Urban and Regional Planning and Landscape Architecture)

BARTON MYERS has been appointed assistant professor in the Department of Architecture from Jan. 1 last. He was educated at the Norfolk Academy and United States Naval Academy, where he received his B.S. degree. He studied architecture in Cambridge, England, and his Bachelor of Architecture degree is from the University of Pennsylvania, where he won the Arthur Brooke Silver Medal and the Chandler Travelling Fellowship. The fellowship took him through continental Europe, and he has travelled widely in Europe and North Africa.

Hygiene

K. C. CHARRON (M.D., Toronto), Deputy Minister of Health for the Province of Ontario, has been appointed professor, part-time, in the Department of Health Administration.

Appointed to associate professorships, part-time, in the same department, are G. K. MARTON (M.D., Toronto), J. F. WEBB (M.D., McGill) and E. W. R. BEST (M.D., Toronto). Dr. Martin is the executive director, Public Health Division, Ontario Department of Health. Dr. Webb is the director of Maternal and Child Health, Ontario Department of Health and formerly director, Maternal and Child Health, Department of National Health and Welfare. Dr. Best is director, Local Health Services, Ontario Department of Health, and formerly chief epidemiologist, Department of National Health and Welfare.

PAUL COREY is to be assistant professor of Medical Statistics in the Department of Epidemiology and Biometrics.

D. B. COATES (M.D., Toronto) has been appointed assistant professor, part-time, in the same department. He is now on the Department of Psychiatry staff.

Policy Analysis

(Institute for the Quantitative Analysis of Social and Economic Policy)

The following members of the staff have been appointed resident research associates of the Institute: NANDA K. CHOUDHRY, associate professor of Economics; YEHUDA KOTOWITZ, associate professor of Economics; G. DAVID QUIRIN, associate professor of Business Economics and Finance; and JOHN W. L. WINDER, associate professor of Economics.

NOTES

The University

UNIVERSITY PROFESSOR NORTHROP FRYE visited the Universities of Oregon, Calgary and Saskatchewan from Jan. 15 to 25, giving public lectures and seminars.

Arts and Science

DEAN D. R. CAMPBELL was appointed a member of the Federal Government's Task Force on Agriculture in October, 1967; the Task Force is expected to review and recommend on all phases of agricultural policy in Canada. Prof. Campbell gave a seminar on Dec. 12 at the University of Guelph and another on Feb. 9 at Purdue University, both on phases of Canadian agricultural policy and development. He gave a lecture to the National Defense College in Kingston on Feb. 1 on "The Middle East".

PROF. R. C. ROEDER visited the Department of Physics at Queen's University on Feb. 8 and gave a colloquium on "The Absorption Spectra of Quasi-Stellar Objects".

PROF. S. VAN DEN BERGH visited the Cerro Tololo Inter-American Observatory in Chile, from Jan. 11 to 28, and carried out photometric observations on objects in the southern sky for 11 nights with the 36-inch reflector.

Colloquia were given in the Department of Astronomy by the following visitors: DR. G. A. BAKOS, University of Waterloo and

DR. K. A. INNANEN, York University.

PROF. J. E. GUILLET was appointed to the advisory board of the new American Chemical Society Journal, *Macromolecules*. He also lectured at the Research Laboratories, Xerox Corporation, Rochester, N.Y. on "Photochemistry of Macromolecules", Oct. 9, and at Bell Telephone Laboratories, Murray Hill, N.J. on "Energy Transfer in Polymer Systems", Oct. 30.

PROF. K. YATES visited the Department of Chemistry, McMaster University, on Jan. 11, and gave an invited lecture on "Cyclic Bromonium Ions?". He also visited the Department of Chemistry, Seton Hall University, South Orange, N.J. on Feb. 13 and gave an invited lecture on "Ultraviolet Spectra of Carbonyl Compounds".

Colloquia were given in the Department of Chemistry under the auspices of the Graduate Department by the following visitors: PROF. F. W. McLAFFERTY, Purdue University; DR. JAMES N. BUTLER, Tyco Laboratories, Inc., Waltham, Mass.

A colloquium was given in the Department of Chemistry by PROF. J. A. HERMAN, Laval University.

PROF. W. A. C. H. DOBSON attended meetings of the Harvard Board of Overseers Visiting Committee in Cambridge, Jan. 16-17, and of the Canada Council Selection Committee in Ottawa on Jan. 18.

PROF. D. B. WATERHOUSE attended the annual meeting of the College Art Associa-

tion of America in St. Louis, Missouri, from Jan. 25 to 27, where he read a paper on "The Thirty-Six Poets in Japanese Art". On Feb. 13 he gave a lecture at the Freer Gallery, Washington, on "Musical Instruments in Japanese Art". He also visited the exhibitions, "Japanese Arts of the Heian Period", at the Fogg Art Museum, Harvard University, and "Chinese Treasures from the Avery Brundage Collection" at the Asia House Gallery, New York, and made further study of the Japanese collections at the Freer Gallery and at the Museum of Fine Arts, Boston.

PROFS. J. J. VAN DER EYK, L. CURRY and E. B. MACDOUGALL attended the Avionics Symposium of the Canadian Aeronautics and Space Institute on Avionics and Natural Resources in January at Ottawa. The latter two presented a paper on "The Statistical Information Content of Remotely Sensed Imagery".

DR. L. S. BOURNE visited the three British Columbia universities in January during which he addressed a departmental colloquium and lectured in urban geography at the University of Victoria on "The Theory and Problems of Redevelopment in Urban Centres".

PROFS. G. M. ANDERSON, J. J. FAWCETT, J. GITTINS, A. J. NALDRETT, E. W. NUFFIELD, J. C. RUCKLIDGE, D. H. WATKINSON and visiting professor D. B. STEWART attended a two-day symposium on Experimental Methods in Petrology and Ore Genesis at the University of Western Ontario, Jan. 24-25. They were accompanied by their graduate students and a number of fourth year students.

Papers delivered by the Toronto staff included: "Silicate Species in Hydrothermal Solutions" (G. M. Anderson and D. A. Crerar);

"Stability and Phase Relations of the Intermediate Mg-Fe Chlorites" (J. J. Fawcett and R. S. James);

"A Review of Carbonate Systems Bearing on Carbonatite Petrology" (J. Gittins);

"High Temperature Phase Relations in the Fe-S-O System and their Bearing on the Temperature of Introduction and Composition of Sulfide Ore Magmas" (A. J. Naldrett);

"Mechanisms to Concentrate Lithium into Lithium-rich Pegmatites" (D. B. Stewart).

Many members of the Department of History were involved in various aspects of the annual meeting of the American His-

torical Association (meeting jointly with the Canadian Historical Association), which took place in Toronto from 27-30 December, to celebrate Canada's centenary. Eleven members participated in the program.

PROF. J. M. S. CARELESS, as president of the Canadian Historical Association, welcomed visiting members at the Plenary meeting. Prof. Careless also delivered a paper.

Other papers were read by: PROFS. G. M. CRAIG, K. W. MCNAUGHT, J. S. MOIR, M. R. POWICKE and A. P. THORNTON.

Comments on other sessions were made by: PROFS. P. BROCK, R. W. GREAVES, R. J. HELMSTADTER, C. P. STACEY.

PROF. J. B. CONACHER participated in a panel discussion on "The Future of the American Historical Association Annual Meeting" and PROF. G. R. COOK on a panel on "The Changing Functions of Historical Journals".

The local arrangements for the meeting, which numbered some 3,500 historians from all over the continent, were looked after by a committee consisting of: PROFS. J. B. CONACHER, R. C. BROWN, W. J. CALLAHAN, G. R. COOK, G. M. CRAIG, M. DAFOE, J. DENT, J. ESTES, R. F. HARNEY, R. J. HELMSTADTER, D. HIGGS, M. ISRAEL, R. A. SPENCER, and PROFS. A. TUCKER and F. MATTHEWS of York University.

PROF. J. H. PARKER spoke on "The Evolution of Theory and Practice in the Golden Age Theatre", at Trent University on Jan. 10.

Many members of the Department of Italian and Hispanic Studies attended the Winter meeting of the Ontario Chapter of the American Association of Teachers of Spanish and Portuguese at the University of Guelph, on Jan. 20, PROF. EVELYN RUGG serving as secretary-treasurer.

PROF. R. M. FARQUHAR gave an invited seminar entitled "Mass Spectrometry at the University of Toronto" to the mass spectrometer group in the Department of Physics at McMaster University on Dec. 6.

PROF. P. P. M. MEINCKE attended the meeting of the American Physical Society at Chicago, Jan. 29 to Feb. 1, and gave a paper entitled "Linear Magnetostriction of Paramagnetic Metals".

PROF. J. VAN KRANENDONK visited Columbia University on Jan. 19 and gave a colloquium entitled "Shielding by Newton's Second Law, and Applications to Induced Infrared Absorption and Nuclear Spin-lattice Relaxation".

In the Department of Physics, seminars were recently given by the following visitors: DR. R. M. LEES, National Research Council; DR. C. DEMECHELIS, National Research Council; PROF. J. R. SCHRIEFFER, University of Pennsylvania; Dr. A. WEYLAND, University of Nymegen, The Netherlands; DR. S. YIP, Massachusetts Institute of Technology; DR. P. C. CLAPP, Kennecott Copper Corporation; DR. M. J. COOPER, National Bureau of Standards, Washington; PROF. C. PERRY, Massachusetts Institute of Technology; PROF. L. P. KADANOFF, University of Illinois; DR. P. L. TAYLOR, Case Institute of Technology; DR. R. S. TITLE, IBM Watson Research Center; PROF. M. H. L. PRYCE, University of California, Los Angeles; PROF. G. K. WALTHERS, Rice University; DR. P. FEDERMAN, Rutgers University; DR. S. VARMA, University of Kansas; DR. J. A. GIORDMAINE, Bell Telephone Laboratories; DR. R. C. DESAI, Massachusetts Institute of Technology.

PROF. S. G. TRIANTIS addressed the Conference on Canadian External Aid, organized by the School of International Affairs, Carleton University and the Canadian Institute of International Affairs, January 19-20. His paper was on "The Place of Foreign Aid in Development Strategy".

DR. DANIEL BERLYNE gave a colloquium talk on "Determinants of Subjective novelty" at the Psychology Department, Simon Fraser University on Jan. 19. Recently, he has been awarded the NATO Visiting Professorship to spend 1968-69 at the Institut d'Esthétique et des Sciences de l'Art, University of Paris.

DR. ENDEL TULVING gave a colloquium talk at the Psychology Department, University of Western Ontario on Jan. 18. He discussed the topic "Some Necessary Conditions for the Effectiveness of Coding Operations in Human Memory".

DR. R. O. BRINKHURST addressed the Canadian Committee on Freshwater Fisheries Research Conference in Ottawa, Jan. 8, on "Production Biology of Aquatic Oligochaeta". On Feb 14 Dr. Brinkhurst gave a talk at the Royal Ontario Museum, "The Fauna of Pollution", and on Feb. 26 lectured at the University of British Columbia on "The Biology of Aquatic Oligochaeta".

DR. T. S. PARSONS attended meetings of the American Association for the Advancement of Science in New York at Christmas and gave a paper on "The Nasal Anatomy of Binosternid Turtles" to the Division of Vertebrate Morphology of the American

Society of Zoologists. He was re-elected program officer of the Division of Vertebrate Morphology of the American Society of Zoologists.

University College

PROF. A. E. SAMUEL addressed the annual meeting of The American Society of Papyrologists on Dec. 28 in Boston.

PROF. W. J. N. RUDD read a paper on "Horace, *Odes* 2.18" at the Conference of the American Philological Association at Boston on Dec. 29.

O. H. T. RUDZIK has been awarded a post-doctoral fellowship at Johns Hopkins University for 1968-69.

PROFS. R. J. WILLIAMS and W. S. McCULLOUGH were in New York City, Dec. 27-29, to attend the annual meetings of the Society of Biblical Literature and The American Schools of Oriental Research.

PROF. A. K. GRAYSON attended the American Historical Society meeting held in Toronto in December.

Victoria College

PROF. F. J. HOENIGER attended the annual meeting of the Council of the Renaissance Society of America in New York on Jan. 27 as Canadian delegate from the Society's North-Central Branch.

Trinity College

THE REV. D. R. G. OWEN gave a lecture on "The Death of God" at Champlain College in Trent University on Dec. 4, and a lecture on "The Recent History of God" at Glendon College in York University on Dec. 7. The provost is on sabbatical leave until September, and in his absence PROF. MALCOLM ROSS, dean of Arts, is acting provost.

DEAN ROSS will be a visiting professor in the Department of English at Dalhousie University for the session 1968-9. Prof. Ross was chairman of the workshop on "Research in the Humanities" at the annual meeting of the Association of Universities and Colleges of Canada, Nov. 2 and 3.

PROF. W. S. ROGERS took part in "Operation Retrieval", Nov. 20 to 23, organized by the Department of Manpower and Immigration in collaboration with the Association of Universities and Colleges in Canada, visiting the University of Illinois, Michigan State University, and the University of Michigan in order to establish contact with Canadian graduate students in these institu-

tions. From Nov. 24 to 26 he attended the conference of the Philological Association of the Pacific Coast to represent the Humanities Research Council at the request of the Canada Council.

PROF. G. M. A. GRUBE is visiting professor in Classics at the University of North Carolina, Chapel Hill, during this term. Prof. Grube has received the Award of Merit of the American Philological Association for his book, *The Greek and Roman Critics*. The award is made annually "for an outstanding contribution to classical scholarship published by a member of the association within a period of three years before the end of the preceding calendar year". The presentation was made at the Association's annual dinner in Boston on Dec. 29.

THE REV. DR. E. R. FAIRWEATHER attended the second meeting of the Anglican-Roman Catholic Joint Preparatory Commission, held at Huntercombe Manor, Taplow, England, Aug. 31-Sept. 4, and presented a paper on "How the Word of God creates and Sustains the Church"; attended the Fifth International Conference on Patristic Studies, Christ Church, Oxford, Sept. 18-22, and read a communication on "The Doctrine of Illumination in Isaac of Stella"; spoke on "Anglican-Roman Catholic Relations" at a meeting of priests of the Roman Catholic Diocese of London and the Anglican Diocese of Huron in London, Ont. on Oct. 30. He also attended the sessions of the Anglican-Roman Catholic Joint Commission on Unity in Malta during the Christmas vacation. PROF. FAIRWEATHER has been cross-appointed to the faculty of the Centre for Medieval Studies here.

PROF. J. W. COLE gave an address on "New Directions for High School Latin" to the Classics teachers of District 7 of the O.S.S.T.F. at North Toronto Collegiate on Jan. 29.

PROF. MARY WHITE delivered a lecture on Feb. 7 to the teachers of Latin in the schools of the Scarborough area in Midland Collegiate Institute on "The Background of the Catilinarian Conspiracy".

PROF. F. W. BEARE attended the annual meeting of the Society of Biblical Literature and Exegesis in New York, Dec. 27-29. He gave a major paper, by invitation, on "Concerning Jesus of Nazareth: the State of the Tradition in the Gospel according to St. Matthew". He was elected vice-president of the society.

PROF. JOHN C. HURD, JR. attended the

same meeting, and read a paper on "The Sequence of the Pauline Letters". Prof. Hurd is continuing his work as editor of the *Anglican Theological Review*.

St. Michael's College

PROF. R. J. SHOECK attended a meeting of the Renaissance Society of America Council at Columbia University on Jan. 28. He is a representative of the History of Law. Prof. Schoeck is now on leave, having been awarded a Guggenheim Fellowship for 1967-68 to complete a book on the early history of the Inns of Court. These four legal societies, whose history stretches from shadowy beginnings in the middle ages to the present day, were extraordinarily influential not only in legal education but also as the cultural centre of Renaissance England. Yet their history has never been written and Prof. Shoeck will endeavour to write the earlier part of that history in his forthcoming book. Much of the research will be done in London, focusing upon the documents and records still extant in the Inns, in the Public Record Office, and in the British Museum.

PROF. D. J. DOOLEY will be acting head of St. Michael's Department of English during Prof. Shoeck's absence.

PROF. A. E. WINGELL took part in a panel discussion on "Abortion" at the Colonnade Theatre on Dec. 4, and on Jan. 10 addressed the Workers' Educational Association on "The New Ferment Within the Catholic Church".

PROFS. J. J. SHERIDAN and M. O. LEE attended the annual meeting of the American Philological Association in Boston, Dec. 27-30.

PROF. E. J. KRAMER attended the annual meeting of the American Philosophical Association in Boston and also attended the International Philosophy Year Conference held at the State University of New York, Brockport, N.Y., Dec. 14-16, where he participated in a panel discussion on "Problems in the Philosophy of Mind".

PROF. D. SAINT-JACQUES directed a production of Ionesco's "L'avenir est dans les œufs" on Jan. 12-13. The presentation was under the auspices of Le Cercle Français.

PROF. GREGORY BAUM lectured at the Pastoral Institute at Windsor, on Dec. 4; preached the sermon at Harvard Memorial Church at Harvard University on Dec. 10, and gave two lectures to the Canadian Union of Seminarians in Toronto, Dec. 30-31.

PROF. E. A. SYNAN, on Feb. 14, took part in a panel discussion on "Has Inter-Religious Dialogue Arrived on the World Scene Too Late?". The panel was held in conjunction with Brotherhood Week co-ordinated by the Canadian Council of Christians and Jews.

PROF. R. B. DONOVAN, REV. R. J. FINK, and SISTER MAGDALA GRISÉ attended the 82nd Annual Meeting of the Modern Language Association of America in Chicago on Dec. 27-29.

PROF. J. K. MCCONICA gave a lecture on "Reformation and Aggiornamento" at Marianopolis College, Montreal, on Jan. 22.

Scarborough College

PROF. K. S. GUTHKE's election as professor of German Literature in Harvard University, effective July 1, has been announced. Prof. Guthke presented a lecture on "Das Drama des Expressionismus und die Metaphysik der Enttäuschung" at the University of Minnesota, Minneapolis, on Jan. 26.

Erindale College

PROF. P. P. M. MEINCKE attended a meeting of the American Physical Society at Chicago, Jan. 29-Feb. 1, where he gave a paper entitled "Linear Magnetostriiction of Paramagnetic Metals".

J. R. PERCY visited the Department of Astronomy and Astrophysics at the University of Chicago during January.

PRINCIPAL J. T. WILSON spoke about "The Current Revolution in the Earth Sciences" at the Geology Club, McMaster University, on Jan. 23, at a symposium at the University of Western Ontario on Feb. 2, and at meetings in Calgary and Edmonton on Feb. 5 and 6 of the Canadian Society of Exploration Geophysicists of which he was made an honorary member in Calgary.

Medicine

DR. G. E. CONNELL gave a seminar address at Queen's University in January on "The Structure of Immunoglobulins".

DR. ROBERT VOLPE gave two lectures, one on "Pathogenesis of Hyperthyroidism" and the second one on "Studies in Thyroid Function", in post-graduate lecture series at Queen's University.

The following doctors were co-authors of the papers indicated which were presented at the meeting of the Royal College of Physicians and Surgeons of Canada:

DR. D. L. SCHATZ, on "Effects of Oral Contraceptives and Pregnancy on Thyroid Function";

DR. I. SALTI, DR. J. L. RUSE and DR. J. C. LAIDLAW, on "Non Tumorous 'Primary' Aldosteronism Not Relieved by Glucocorticoid: A New Clinical Entity?";

DR. C. EZRIN and DR. D. LESK, on "The Electron Microscopy of the Crookes' Hyaline Cell: A Study of the Fine Structure of the Human Adenohypophysis";

DR. A. RAPOPORT, on "Creatinine Clearance and Serum Creatinine in the Assessment of Renal Function";

DR. J. M. FINLAY, on "Electron Microscopic Findings in Whipple's Disease";

DR. E. R. YENDT, DR. D. A. GARCIA and DR. F. G. GUAY, on "The Use of Thiazides in the Prevention of Renal Calculi";

DR. C. EZRIN, on "The Thyroid in Cystinosis";

DR. R. S. MCPHEDRAN, on "Ultrasonic Tomography in Central Nervous System Disorders";

DR. W. T. W. CLARKE, on "Renal Homeostasis";

DR. JOHN MORCH, on "Cardiac Homeostasis";

DR. H. E. ALDRIDGE, on "Angiographic and Hemodynamic Correlation of the Ischemic Heart";

DR. H. J. M. BARNETT, on "Bilateral Carotid Occlusion—its Clinical and Radiological Aspects";

DR. C. R. WOOLF and DR. I. SAMAD, on "Comparative Evaluation of Breath Sounds, Fluoroscopy, Chest X-ray, Pulmonary Angiograms and Intravenous R¹³¹ I¹³¹ Lung Scanning in Chronic Obstructive Pulmonary Emphysema";

DR. H. J. M. BARNETT, DR. D. G. GEALE, DR. JOAN E. HARRISON and DR. K. G. MCNEILL, on "Arachnoiditis and Cauda Equina Syndromes as a Sequel to Thorotrast Myelography";

DR. D. R. CRAPPER, on "Neurotubular Proliferation and Altered Neuronal Behaviour".

DR. K. J. R. WIGHTMAN chaired a teaching symposium on "Enzymes and Clinical Medicine" at the Royal College of Physicians and Surgeons of Canada meeting.

DR. DANIEL E. BERGSAGEL chaired a teaching symposium on "Lymphomatous Disease" at the same meeting.

DR. D. OSOBA presented a paper entitled "Influence of the Thymus on the Precursors of Antigen-sensitive Cells" at the annual meeting of the Canadian Society of Clinical

Investigation; he also gave a lecture entitled "The Thymus and Autoimmune Diseases" for the Department of Continuing Medical Education at Queen's University, Kingston.

DR. E. D. WIGLE delivered two lectures, one entitled "Muscular Subaortic Stenosis" and the second one entitled "Acute Valvular Regurgitation", at the 11th Annual Cardiac Symposium on Operative Heart Disease and Cardiac Prosthesis that was sponsored by the British Columbia and Vancouver Heart Associations and held in Vancouver.

DR. WILLIAM M. PAUL has been appointed a Fellow of the Royal College of Obstetricians and Gynaecologists of Great Britain.

DR. DOUGLAS P. BRYCE was visiting lecturer on Jan. 22 at the University of Colorado Medical Center. He discussed "Laryngotracheal Complications of Intubation and Tracheotomy" at the weekly seminar of the Division of Otolaryngology of the CU School of Medicine at Colorado General Hospital, and also lectured to members of the resident otolaryngology staff of the hospital.

DR. IAN MACNAB will be the guest lecturer at the U.C.L.A. symposium on Techniques of Surgery of the Cervical Spine in Los Angeles on March 2 and 3.

DR. CHARLES M. GODFREY has returned from a month's tour as visiting professor at the University of Tunisia under the auspices of Care-Medico. While there Dr. Godfrey took an active part in the undergraduate and postgraduate teaching program. He also demonstrated an immediate postoperative fitting of a prosthesis for the first time in North Africa.

Postgraduate Medical Education

The Refresher Course for Women Doctors began on Feb. 12. This course, the first of its kind in North America, to our knowledge, brought back 27 Ontario women physicians who had been inactive for from three to twenty years. The course which runs from Feb. 12 to March 1 was initiated by a preceptorship committee of the Ontario branch of the Federation of Medical Women under the chairmanship of DRs. ADELAIDE FLEMING and RUTH KURDYAK. The Ontario Department of Health generously supported this effort by making available to each registrant a \$200 bursary to defray living costs during this course. In the morning they receive clinical experience in clinics

and other out-patient facilities in the various teaching hospitals, and in the afternoon attend didactic lectures at the Women's College Hospital.

In so far as is possible the division and heads of the clinical departments have attempted to provide individually supervised clinical experience in special areas of the registrant's choice. Through the generous co-operation of many faculty members especially those responsible for the supervision and conduct of out-patient clinics, a wide range of options has been provided; from these, 27 individual programs were drawn up. Through this arrangement the previously inactive woman physician is given an opportunity to gain clinical experience under close and sympathetic supervision. The long-range objective of the course is to encourage physicians to return to some form of regular medical practice.

During the first three days of the course the 27 women physicians attended the Refresher Course for General Practitioners provided by the Department of Obstetrics and Gynecology. They were also invited to attend a special clinical day at the Hospital for Sick Children on Feb. 28. They were encouraged to attend selected sessions of the Eleventh Annual Refresher Course, School of Hygiene from Feb. 19 to 23, such as those on "Multiple Screening—Organizing a Program" and "Recent Advances in Control of Infectious Diseases".

The first Ray F. Farquharson Memorial Lecture was given on Feb. 20 in Osler Hall, The Academy of Medicine. The first lecturer, DR. JOHN EAGER HOWARD, Professor of Medicine, Johns Hopkins University, spoke on "Reflections on Calcium Habits in Man". During his stay in the city from Feb. 19 to 24, Dr. Howard took part in clinical conference rounds and other teaching activities in the various hospitals.

Law

During the week of Jan. 14–20, PROF. J. B. MILNER visited Simon Fraser University as chairman of an *ad hoc* Investigating Committee of the Canadian Association of University Teachers, in response to a request by the Simon Fraser Faculty Association that the CAUT investigate "the breakdown in communications between the Faculty Association and the President". The other members of the Committee were DR. J. PERCY SMITH, the Executive Secretary of the CAUT and DEAN ALWYN BERLAND, of

the Regina Campus of the University of Saskatchewan.

Prof. Milner also chaired a panel discussion on the Ontario Municipal Board at the Mid-winter meeting of the Ontario Branch of the Canadian Bar Association on Feb. 3 at the Royal York Hotel.

Applied Science and Engineering

PROF. H. L. WILLIAMS attended the recent meeting of the Advisory Committee on Chemical Research of the Defence Research Board, held at the Suffield Research Establishment, Ralston, Alberta.

PROF. M. WAYMAN attended the recent annual meeting of the Technical Association of the Pulp and Paper Industries, in Montreal, and heard four papers originating in the Department of Chemical Engineering and Applied Chemistry. They were by PROFS. M. WAYMAN, W. H. RAPSON and C. B. ANDERSON on "Bleaching Characteristics of Sapwood and Heartwood Groundwoods of Jack Pine and Western Hemlock"; by T. I. OBIAGA and PROF. WAYMAN on "Kraft and Polysulphide Pulping of a Nigerian Tropical Wood"; by PROF. RAPSON and DR. R. A. FLEURY on "Characterization of Chromophoric Groups in Groundwood and Lignin Model Compounds by Reaction with Specific Reducing Agents"; and by PROFS. RAPSON and ANDERSON and H. C. SCRIBNER on "Synergistic Effects of Chloride and Chlorine Dioxide and Chlorine in the later stages of Bleaching".

PROF. C. E. CHAFFEY visited the Department of Chemistry of Queen's University on Jan. 11 and lectured on "Rheology of Dilute Suspensions".

PROF. S. SANDLER participated in the 5th Toronto Symposium on "Chromatography", as the session chairman. This was held on Feb. 5 at the Skyline Hotel.

PROFS. F. A. DE LORY and T. C. KENNEY and five of their graduate students attended a symposium on "Stress, Strain and Pore-Pressure Behaviours of Soils" at Cornell University, Jan. 25 and 26. Prof. Kenney acted as chairman for the session on Undisturbed Soils.

DR. P. H. JONES presided over the Third Canadian Symposium on Water Pollution Research, held at Hart House on Feb. 1 and 2. The program was for the first time offered simultaneously in both French and English. Dr. Jones also provided two papers for the program entitled "Yeast Production

Using Conventional Activated Sludge Methods for Corn Processing Industrial Wastes" and "Some Nitrogen Removal Aspects of a Contact Stabilization Plant". A talk entitled "Water and Man" was given by Dr. Jones to the Toronto Arts and Letters Club on Feb. 6.

DR. G. N. J. KANI presented a paper at the meeting of The Ontario Chapter of The American Concrete Institute on Dec. 14, in Toronto entitled "Where Do We Need a Stirrup and What is Its Function?"

DR. D. J. L. KENNEDY has been named chairman of Canadian Standards Association Committee S-16 "Steel Structures for Buildings" effective Jan. 1, 1968. He has served as a member of the committee since 1964. A revision to the specification is to be made within the coming year for incorporation in the 1970 edition of the National Building Code of Canada.

PROFS. R. C. GUNN and O. J. MARSHALL attended the annual meeting, Canadian Institute of Surveying, in Edmonton, Jan. 31 to Feb. 3. Prof. Marshall contributed to discussions as a member of the editorial board.

DR. R. M. SOBERMAN and R. G. RICE attended a meeting of the Highway Research Board in Washington, D.C., Jan. 14 to 17.

PROF. P. I. BOULTON addressed the Toronto Section of the Institute of Electrical and Electronics Engineers, Jan. 22, on "Instruction in Computer Technology and Programming".

PROF. W. JANISCHEWSKYJ attended the Winter Power Meeting of IEEE in New York, Jan. 30 to Feb. 2. At the meeting, he presented two papers and participated in deliberations of the Radio Noise Subcommittee and of its several working groups. The co-authors and the titles of the two papers are: M. P. SARMA, "Analysis of Corona Losses on D.C. Transmission Lines Unipolar Lines"; K. PRABHASHANKAR, "Digital Simulation and Analysis of Power System Dynamic Performance, Part 1. Effects of Synchronous Machine Amortisseur Circuits and Control Mechanisms".

PROF. S. D. T. ROBERTSON attended the IEEE Winter Power Conference, New York, Jan. 30-Feb. 1 and also presented a seminar to the Power Conditioning Section of the NASA Electronic Research Centre in Boston on "Control of Thyristor-Machine Systems" on Feb. 2. Prof. Robertson also presented a paper entitled "Solid State Protection of Power Systems based on Improved System Models" to the Toronto Chapter of the IEEE on Dec. 14.

PROF. G. SINCLAIR attended the annual meeting of the D.R.B. Advisory Committee on Physical Research at Simon Fraser University, Burnaby, B.C. Jan. 10-12.

PROF. G. R. SLEMON attended the Winter Power Meeting of IEEE on Jan. 29 to 31 and spoke on "Power Engineering Education in Canada" at the session on teaching methods in power engineering. Prof. Slemmon also addressed the Electric Club of Toronto at their annual luncheon on Jan. 17.

PROF. DONALD J. CLOUGH addressed a research seminar at the Ontario Institute for Studies in Education on Jan. 17 on "A Simulation Model for Manpower Planning in Canada", and on Feb. 29 he addressed a seminar at the University of Waterloo's Centre for Engineering and Management Systems Studies on "Measures of Value in Benefit-Cost Studies".

DR. F. P. J. RIMROTT spoke in the McGill University Seminars in Mechanics. His lecture was entitled "Secondary Effects in the Response of Slit Tubing to Loading" and was delivered on Feb. 8.

PROF. B. KARNOPP presented lectures entitled "Duality Relations in Mechanics" to the Department of Engineering Mechanics Seminar, University of Michigan, and "Complementary Variational Principles in Mechanics" to the Department of Applied Mathematics Colloquium, University of Virginia.

PROF. J. M. TOGURI gave a talk on "Physical Chemistry of Copper Smelting" to A. D. Little Co., in Boston, Jan. 26.

Education

The Comparative and International Education Society of Canada (C.I.E.S.C.) has been established recently. After a primarily Canadian session of the Conference of the Comparative Education Society (C.E.S. of U.S.A.) attended by PROF. A. F. SKINNER in Chicago in February, 1967, and following a motion by him, steps were taken to form the C.I.E.S.C. Its formation was confirmed at a meeting, convened for this purpose, in Ottawa in June 1967 at the time of the meetings of C.A.P.E. PROF. KATZ of the University of British Columbia was elected president. What promises to be an attractive conference of the new society will be held in Calgary at the end of this year, 1968, prior to or during the meetings of C.A.P.E. Prof. Skinner will participate in this conference. He has also agreed to see to the publication, through the University of To-

ronto Press, of a small volume recording the Proceedings and Addresses of the Initiating meetings held in 1967. Prof. Skinner is currently a member both of the directorate of the C.E.S. and of the executive of C.I.E.S.C.

DEAN D. F. DADSON addressed a meeting of the Peterborough teachers on Jan. 25.

On Jan. 31, DR. MICHAEL J. ORME of the Graduate School of Education, Harvard University, delivered the first Dr. H. M. Fowler Memorial Lecture in memory of a Bill Fowler who was, for many years, a member of the College staff, first in the old Department of Educational Research, and latterly as director of Advanced Academic Recommendations. A large number of students attended, as well as former friends and colleagues of Dr. Fowler. Dr. Orme is a Canadian presently teaching at Harvard, and a distinguished psychologist. His lecture topic was "Classroom Interaction" and was of interest to all who are concerned with teaching.

PROFS. ELLIOTT and SAGER took part in the North York Board of Education Interdisciplinary conference on the Social Sciences during the week of Jan. 15 by presenting a multi-media demonstration about Perception and Learning in Field Studies.

PROF. W. V. TROTT is conducting a seminar series on the theme "Supervision is Leadership" for the Office of Educational Administration, Ontario Institute for Studies in Education during February.

PROFS. A. S. NEASE and J. W. GREIG organized and presided over The College's second annual winter seminar in School Administration for secondary school principals. The theme of the seminar was "The Principal's Authority and 'New' Adolescent Freedom". One hundred and twenty principals from all parts of the province gathered to hear DR. EDGAR Z. FRIEDENBERG, Prof. of Sociology and Education, State University of New York at Buffalo; PROF. J. D. MORTON, Osgoode Hall Law School; and S. J. BERRY, Superintendent of Student Services, Borough of North York. Profs. Greig and Nease attended the annual meeting of the American Educational Research Association in Chicago, Feb. 7-10.

Library Science

PROFS. W. J. KURMEY, R. B. LAND, and K. H. PACKER attended the Midwinter Meeting of the American Library Associa-

tion at Bal Harbour, Miami Beach, Florida, Jan. 8-13.

PROF. R. B. LAND addressed the first annual meeting of the Friends of the Hamilton Public Library, Jan. 18, on the subject "The Effect of Automation and the Library of the Future".

PROF. J. M. MARSHALL prepared a brief on "The Training of Library Technicians" for the Training Sub-Committee of the Study of Scientific and Technical Information in Canada being conducted by the Science Secretariat under the Privy Council. He participated in discussions of this and other briefs submitted to the sub-committee in Ottawa, Feb. 1. Prof. Marshall has also been appointed to the Canadian Library Association's Sub-Committee on the Training of Library Technicians.

Music

PROF. TALIVALDIS KENINS' *Symphony No. 1 for Chamber Orchestra* was taped on Jan. 10 for the CBC by the Vancouver Radio-Orchestra under the baton of Milton Barnes. His *Trio for Piano, Violin, and Cello* was performed on Feb. 23 in Town Hall, New York City, by Canadian pianist ARTHUR OZOLINS and members of the Kroll Quartet.

On Jan. 21 the Hart House Sunday Evening Concert Series presented a program of music composed by staff members of the Faculty of Music and presented by students of the Faculty. The program included works by PROFS. JOHN BECKWITH, GUSTAV CIAMAGA, TALIVALDIS KENINS, OSKAR MORAWETZ, GODFREY RIDOUT, DR. ARNOLD WALTER and PROF. GERHARD WUENSCH.

PROF. M. R. MANIATES read two papers, one on "The Generations of Dufay and Ockeghem" and one on "Josquin Desprez and his Contemporaries" at Symposium I: *The Renaissance*, sponsored by the Ontario Music Educators' Association on Jan. 12-14.

PROF. JOHN WEINZWEIG was reelected to the executive of the Canadian Council of the Arts in Montreal on Jan. 29.

Dentistry

DR. MURRAY HUNT will represent the Faculty of Dentistry at a Conference on Community and Social Dentistry arranged by the Council on Education at Canadian Dental Association Headquarters, March 11 and 12.

DEAN ELLIS will attend the annual meeting of the Council on Education of the

Canadian Dental Association, March 13 and 14. On March 20, Dean Ellis will attend the official opening ceremony of the new Faculty of Dentistry, University of British Columbia, in Vancouver.

DRS. MURRAY HUNT, D. W. LEWIS, and A. T. STOREY will attend the annual meeting of the International Association for Dental Research in San Francisco, March 21-24. At the same meeting Drs. M. LISTGARTEN, C. D. TORNECK, and R. D. HAZELTON will present papers relating to their research work. Following the meeting of the International Association for Dental Research Drs. Hunt and Lewis will visit the Division of Dental Public Health and Resources, U.S. Public Health Service, San Francisco.

The Faculty of Dentistry will be officially represented at the 45th Annual Session of the American Association of Dental Schools, March 24-27, in San Francisco, by Dr. J. KREUTZER and DEAN ELLIS. DRS. MURRAY HUNT and D. W. LEWIS will also attend. "Academy of Dentistry Day" at the Royal Canadian Dental Corps at Camp Borden, Ontario, will be held on March 21.

As part of the program of Continuing Education offered by the faculty for members of the dental profession during March, the following courses are scheduled: Periodontics, March 6, 13, 20, 27, and April 24; and Oral Surgery, March 11-15. The course in Periodontics will be under the general direction of DR. C. H. M. WILLIAMS; and the course in Oral Surgery will be under the general direction of DR. P. T. SMYLSKI.

Under the Extramural Lecture program DR. W. C. STURTRIDGE will address the Waterloo-Wellington Dental Society at Kitchener on March 13.

Pharmacy

DEAN F. N. HUGHES presented a paper on "The Pharmaceutical Educator Looks at Home Medication" at a meeting of the Proprietary Association of Canada on Feb. 13.

PROF. H. J. FULLER addressed the Hamilton Pharmaceutical Association on Feb. 14 on "The Expense Budget".

Architecture

(*Faculty of Architecture, Urban and Regional Planning and Landscape Architecture*)

DEAN THOMAS HOWARTH has been appointed chairman of the Advisory Design

Committee of the National Capital Commission, Ottawa, a committee that examines and makes recommendations on all design matters relating to buildings, engineering structures, planning and landscape work on Federal lands within the National Capital Region.

PROF. A. J. DIAMOND gave a lecture to the Professional Institute of Engineers on "Urban Engineering". He won the Design Award of the Canadian Furniture Show for the Diamond Chair, which is being exhibited by the government at the Triennale in Milan.

PROF. MICHAEL HOUGH was a visiting lecturer at the University of North Carolina in December. He has been appointed chairman of the Niagara Escarpment Committee.

PROF. EMIL VAN DER MEULEN visited the department of landscape architecture at the University of Wageningen, and the department of architecture and urban planning at the University of Delft, during a visit to Holland in December. Prof. Van der Meulen is president of the Ontario Association of Landscape Architecture and Canadian delegate to the International Federation of Landscape Architects.

Recent visiting lecturers have included GRADY CLAY, editor of *Landscape Architecture Quarterly*, PROF. B. JONES of Cornell University and P. BRUER of the University of Western Ontario.

Social Work

DR. CHARLES HENDRY was chairman of a session at the 16th Annual Program Meeting of the Council on Social Work Education in Minneapolis, Jan. 24 and chairman of a joint meeting of the Board of Directors and Management Committee of the Conference on the Church and Poverty, Montreal, Jan. 29.

DR. ALBERT ROSE attended the Annual Program Meeting of the Council on Social Work Education at Minneapolis, Jan. 22 to 26; he presented a paper on "The Housing Crisis of 1967 and Beyond" at a seminar on Urban Canada sponsored by the United Steelworkers of America, held in Niagara Falls on Jan. 31.

DR. BENJAMIN SCHLESINGER spoke to the Registered Nurses Association of Ontario on "Changing Family Life Patterns in Canada" at Western Hospital, Toronto, Jan. 9. He presented five lectures in January to first-year student nurses at the Toronto General Hospital on "Marriage and the Family".

DR. BEN SHAPIRO addressed the Western Ontario Association of Social Workers in Psychiatric Settings, meeting at Waterloo University on "Group Treatment" on Jan. 18; and on Jan. 24 addressed the Professional Recreation Guild of Toronto on "Community Organization in Recreation Settings".

Nursing

The School of Nursing has received a grant of \$178,700 from the W. K. Kellogg Foundation to assist the development of a graduate program in nursing. The objective will be to prepare nurses for highly specialized clinical work and for teaching and consultation. The only existing program in Canada that emphasizes clinical specialization is the Foundation-aided program at McGill. Initial enrolment of ten students is anticipated, with a gradual build-up to 20 or 30. The Sunnybrook Hospital and the Clarke Institute of Psychiatry will be among institutions helping with the program.

PROF. WEIR addressed the annual meeting of the North Waterloo Branch of the Victorian Order of Nurses on Feb. 13. Her topic was "Trends in Nursing Education".

PROF. DOLPHIN will participate in the Annual Institute to be held by the School of Nursing, Dalhousie University, on March 14 and 15. The topic of her address will be "Leadership and Quality of Nursing Care".

Hygiene

DR. J. R. BROWN presented a paper to the Canadian Association for Research in Toxicology, entitled: "The Effect of Exercise, Thermal and Dietary Stress on Storage of 1,1-bis(4-chlorophenyl)-2,2,2 trichloroethane (DDT) in Rats", on Feb. 1, in Montreal.

DR. E. R. TICHAUER, research professor of Biomechanics, Institute of Rehabilitation Medicine, New York University Medical Center, presented the School of Graduate Studies lecture in the School of Hygiene, on Feb. 2, on "Biomechanical Work Stress—Challenge to Hygiene and Industrial Medicine".

PROF. A. P. RUDERMAN attended the meeting of the Committee on International Medical Care of the American Public Health Association in Washington, on Jan. 26, and also sat in on the meeting of the Council of the Medical Care Section of the APHA on Jan. 27.

Business

PROF. J. H. G. CRISPO presented a joint report with H. CARL GOLDENBERG, O.B.E., to the Centennial Convention of the Canadian Construction Association on "A Study of Union-Management Relations in the Construction Industry" in Ottawa during the week of Jan. 29.

PROF. S. R. MAXWELL gave a paper on Jan. 24 in Winnipeg to Regional management, Prairies Region, Canadian National Railways, on the subject "Some Problems Inherent in the Attempt to Professionalize Management Practice".

PROF. J. A. SARJEANT has been appointed to the Continuing Education Advisory Board of the Society of Industrial and Cost Accountants of Canada. He attended the inaugural meeting of the Board in Hamilton on Feb. 3. He is also associated with the Society's Management Development Course, conducting the sessions on Quantitative Analysis and Data Processing in the course.

PROF. J. A. SAWYER participated in a panel discussion on "Econometric Models of Stabilization" at McMaster University, on Jan. 26.

Aerospace Studies

PROF. B. ETKIN attended the Sixth Aerospace Sciences Meeting of the AIAA in New York, Jan. 22 to 24. He served as chairman of the technical session on Atmospheric Flight Mechanics. He also participated in the North York Science Teachers Professional Development Day, Feb. 9, in a panel discussion on examinations.

DR. FRENCH, DR. TENNYSON and DR. TOWNSEND visited Canadian Forces Headquarters, Department of National Defence in Ottawa on Jan. 12. Discussions were held concerning unidentified atmospheric phenomena (or UFO) investigations conducted by DND.

DR. I. I. GLASS attended the American Institute of Aeronautics and Astronautics 6th Aerospace Sciences Meeting in New York, Jan. 22 to 24.

DR. G. N. PATTERSON attended meetings of the Science Council in Ottawa on Jan. 18 and 19.

DR. H. S. RIBNER chaired a meeting of the Papers Committee of the AFOSR-UTIAS forthcoming symposium on Aerodynamic Noise, in Toronto, Feb. 7. Attending were DR. D. T. BLACKSTOCK (University of Rochester), MAJOR D. L. CALVERT (Air

Force Office of Scientific Research, Washington), DR. W. T. CHU (UTIAS), DR. M. V. LOWSON (Wyle Laboratories, Huntsville, Ala.), DR. A. R. SEEBASS (Cornell University), and T. G. SOFRIN (Pratt and Whitney Aircraft). Dr. Ribner gave two lectures at the University of Tennessee Space Institute short course on "Noise Generation and Suppression in Aircraft", at Tullahoma, Jan. 29 to Feb. 2, and chaired the session on Feb. 1. The lecture series will be given limited publication.

DR. P. A. SULLIVAN visited the School of Mechanical Engineering, University of New South Wales, Sydney, Australia, on Dec. 19, and lectured on "Some Problems in High Temperature Gas Flows". While in Sydney, Dr. Sullivan also visited the Department of Aeronautics, University of Sydney, to discuss problems in high speed gas flows. On Jan. 10 Dr. Sullivan visited the Department of Physics, Australian National University and gave a seminar on "Hypersonic Flow Research at UTIAS". He attended the AIAA 4th Aerospace Sciences Meeting in New York Jan. 22 to 24. He also visited the Gasdynamics Laboratory at Princeton University to discuss some problems in hypersonic flow on Jan. 24.

W. CZERWINSKI visited DR. V. C. D. DAWSON of Naval Ordnance Laboratory, Washington, on Feb. 6 and 7, in order to discuss some of the final aspects of the 30" dia. UTIAS Implosion Driven Hypervelocity Launcher.

Child Study

DR. GRAPKO spoke to the Grey County Branch of the Canadian Mental Health Association of Owen Sound on Feb. 26 on the topic "Signposts for Mental Health". He also attended the annual meetings of the Ontario Psychological Association in Windsor, and participated in a panel discussion entitled "The Effective Mental Health Worker".

Computer Science

PROF. C. C. GÖTTLEB, as an invited scientist on the SIAM (Society for Industrial and Applied Mathematics) Visiting Scientists Lectureship Program visited Williams College in Williamstown, Mass., and gave a lecture on "The Literature on Computers" on Jan. 25, and one on "Translator Programs" on Jan. 26.

PROF. W. KAHAN visited Stanford University, Jan. 18-19, and gave two talks, "A Survey of Error Analysis" and "Ellipsoidal Error Bounds for Trajectory Problems". The second talk was repeated on Jan. 23 at the University of California at Berkeley, where he also gave two lectures on "Solving Linear Algebraic Equations".

PROF. LESLIE MEZEI acted as the moderator at the one-day seminar "Computer-Aided Management—And All That!" organized by the Toronto Section of the Computer Society of Canada at the Inn on the Park on Jan. 30.

DR. C. L. LAWSON of the Jet Propulsion Laboratory, Pasadena, California gave a seminar in the Department of Computer Science on "Applications of Householder Orthogonal Transformations" on Feb. 1.

PROF. BRUCE ARDEN of the University of Michigan gave a colloquium in the department on "Time Sharing Modelling and Measurement" on Feb. 12.

Criminology

PROFS. J. LL. J. EDWARDS and J. HOGARTH attended the Second Conference of Directors of Criminological Research Institutes in the United States and Canada, held at the Center for Continuing Education at the University of Chicago, Oct. 23-24.

P. MACNAUGHTON-SMITH attended the annual meeting of the American Society of Criminology, New York City, Nov. 3-5, where he gave a paper on "Enhancing the Scientific Basis of Correctional Decisions".

P. MACNAUGHTON-SMITH will spend five weeks in Canberra, Australia, early this year at the Commonwealth Scientific and Industrial Research Organization, continuing work on the development of mathematical classification techniques started in England by him and by DR. W. T. WILLIAMS and DR. G. N. LANCE (now both at C.S.I.R.O.).

PROF. J. LL. J. EDWARDS, on leave of absence from the Centre to complete a book at Churchill College, University of Cambridge, gave a public lecture at University College, London (Faculty of Laws) on Feb. 15. His subject was "Social Defence and Control of the Dangerous Offender".

Drama

The Canada Council has given the Centre a grant to enable it to invite MARTIN HUNTER to serve as "Dramaturge" to the Centre during 1968. Hunter's play *Out Flew the Web and Floated Wide* won the

Ontario Drama Festival competition last year. He will be cooperating with ROBERT GILL and LEON MAJOR in the Centre's Studio Theatre on Glen Morris Street, working on two new plays of his own and on experimental work by other writers. In the fall term of 1968-69 he will also collaborate in a play-writing workshop, which the Centre will be adding to its list of practical courses for next year.

PROF. BRIAN PARKER gave a talk on "The Integrity of the Dramatic Text" at York University on Jan. 17.

PROF. HANNIBAL NOCE attended meetings of the Modern Language Association in Chicago at Christmas.

LEON MAJOR directed Giradoux's *Apollo of Bellac* for "Prologue" a touring professional company currently performing in Toronto high schools.

The Drama Centre and the Cultural Exchange Department of the Ontario Department of Education sponsored a visit of the French mime, PIERRE VIALA, in Cartwright Hall on Jan. 31, when his subject was "French Humour from La Fontaine to Ionesco".

Ontario Institute for Studies in Education

DR. DAVID BRISON addressed the Ontario Psychological Association at a special meeting in Windsor, on Jan. 30. The title of his paper was "Applied Psychology and Tactics for Field Research".

DR. ANN M. BORRESEN was part of a panel presentation at the Ontario School Counsellors Association Conference on Nov. 3.

A special seminar on "A Multi-Disciplinary Approach to Educational Policy Research" was held by the Educational Planning Department on Jan. 31, with THOMAS GREEN, acting director, Education Policy Research Center, Syracuse University.

Recent papers by DR. DAVID S. ABBEY were "Are Art Galleries Obsolete?" presented at the Guild Inn, Jan. 31, and "Some Factors in Workers' Decisions to Forego Re-Training" presented at the 1968 National Seminar on Adult Education, Chicago, Feb. 12.

PROF. DAN C. LORTIE, sociologist, Department of Education, University of Chicago, discussed "Teacher Socialization and The Reign of Tradition" at a public lecture sponsored by the Department of Educational Administration on Feb. 2.

Policy Analysis

*(Institute for the Quantitative Analysis of
Social and Economic Policy)*

PROF. RICHARD W. JUDY presented a paper entitled "Systems Analysis and University Planning" at the Symposium on "Operations Analysis of Education" in Washington, Nov. 19-22, sponsored by the Division of Operations Analysis, U.S. Office of Education. Prof. Judy also attended a symposium on "Methodologies for Forecasting Water Demands" in Vancouver, Dec. 11-12, and commented on a paper by CHARLES W. HOWE entitled "Forecasting the Demand for Water: Domestic and Municipal Purposes". He also attended a conference on Interest Groups in Soviet Politics, in Toronto, Jan. 13-14.

Pontifical Institute of Mediaeval Studies

PROF. J. A. RAFTIS read a paper on "Society and the Individual: the Mediaeval Period" at the annual meeting of the American Historical Association held in Toronto, Dec. 30. He also chaired the regional seminar on "The Culture of the Medieval Town", held in Toronto, Jan. 13 under the auspices of the Mediaeval Centre.

PIERRE DE CONTENSON, o.p., director of the Leonine Commission edition of the works of St. Thomas, visited the Pontifical Institute, Jan. 13 to 15.

MICHAEL COUGH, director of the British Institute of Archaeology, Ankara, Turkey, will join the staff of the Pontifical Institute in September 1969, following a year's research at the Princeton Institute for Advanced Study.

ETIENNE GILSON returned from Paris on Feb. 19. He will deliver four public lectures under the general heading "The Non-existence of God".

PROF. NIKLAUS HÄRING has become a member of the Commission for the Edition of Unpublished Texts in Medieval Thought. Serving with Prof. Häring at this Munich-based Commission are: PROFS. BERNHARD BISCHOFF, HERBERT GRUNDEMANN, FRIEDRICH BAETHGEN, KARL BOSL and MICHAEL SCHMAUS. Profs. Grundemann and Baethgen are president and former president respectively of the Monumenta Germaniae Historica. The Commission's project is sponsored by the Bayerischen Akademie der Wissenschaften.

Connaught Medical Research Laboratories

DR. V. C. R. WALKER spoke on "Rabies Today—Man and Animals" at the 94th Annual Meeting of the Ontario Veterinary Association, Jan. 31, in Hamilton.

DR. R. J. WILSON and DR. P. FENJE, as consultants to the Pan American Health Organization for its program of smallpox eradication in South and Central America, have been invited to attend a Travelling Seminar of Vaccine Producers, March 18-31, organized by the World Health Organization. They will visit WHO Headquarters in Geneva, The Research Institute of Virus Preparations in Moscow, and Wyeth Laboratories in Philadelphia. Dr. Wilson will then attend a meeting of the Regional Advisors on Smallpox Eradication in Rio de Janeiro on April 3.

Royal Ontario Museum

DR. A. GORDON EDMUND has been appointed to the Board of Governors and the Executive Council of the Upper Canada Zoological Society.

DR. R. I. GAIT visited South Africa during January and arranged exchanges of mineral specimens between the ROM and the following institutions: University of Witwatersrand, Rand Afrikaans University, Johannesburg Geological Museum, and the Geological Survey of South Africa. Later, in England, Dr. Gait visited the British Museum, the Kensington Geological Museum and the Mineralogical Museum at Oxford University and also arranged donations and exchanges for the ROM with British mining companies and personal friends.

DR. J. A. MANDARINO attended a symposium on Experimental Methods in Petrology and Ore Genesis at the University of Western Ontario, Jan. 24-25.

During January and early February, Dr. V. B. MEEN presented five lectures on the ROM's study of the Crown Jewels of Iran to the Royal Canadian Institute, the London Gem and Mineral Club, Toronto Home Economics Association, Massey College, and the University Women's Club, Etobicoke.

HENRY TRUBNER has been appointed curator of Asiatic Art at the Seattle Art Museum, Seattle, Washington. His resignation as curator of the ROM Far Eastern Department and associate professor in the Department of East Asiatic Studies at the U. of T. is effective June 30. Mr. Trubner

will attend an international conference and seminar of Far Eastern ceramic specialists in Manila March 25-29, sponsored by the UNESCO National Commission of the Philippines. He and some of the delegates then will travel to Taiwan to discuss the Chinese porcelains at the National Palace Museum. Before returning to Toronto, Mr. Trubner will stop in Japan to confer with museum officials and visit museum and private collections.

"Chinese and Western Art" was the subject of MRS. BARBARA STEPHEN's address to the Women's Art Society of Montreal at the Montreal Museum of Fine Arts, Feb. 6.

PETER SWANN was in St. Louis, Mo., Jan. 25, for meetings of The College Art Association of America. Later he visited museums in Boston and New York. On Feb. 2 he joined a panel discussion on "The Importance of Traditional Art Museum Practice" as part of a seminar conducted by The Art Gallery of Ontario.

The Press

The following have been published since the last issue of the *Bulletin*:

Toronto Legal Directory. \$5.00 (NET)

Twelfth Night and Shakespearian Comedy. By Clifford Leech. (Canadian University Paperbooks No. 75) \$1.50

The Harmony of Verse. By William C. Morton. \$7.50

World Trade and Economic Growth:

Trends and Prospects with Applications to Canada. By David W. Slater. (Canada in the Atlantic Economy No. 1) \$2.25 (paper)

Transatlantic Economic Community: Canadian Perspectives. By H. Edward English. (Canada in the Atlantic Economy No. 2) \$2.25 (paper)

Harmonization of National Economic Policies under Free Trade. By Harry G. Johnson, Paul Wonnacott and Hirofumi Shibata. (Canada in the Atlantic Economy No. 3) \$2.25 (paper)

Two Russian Thinkers: An Essay in Berdyaev and Shestov. By James C. S. Wernham. \$4.75

The Nibelungenlied: An Interpretative Commentary. By D. G. Mowatt and Hugh Sacker. \$4.50

Transactions of the American Ophthalmological Society, 1967. Volume LXV. \$25.00

Canadian Books in Print. (2 vols.) \$20.00 (NET)

Other Books

Digging for Dinosaurs by W. E. Swinton, which has had European, American and Afrikaans editions, has now been published in Japanese. A companion volume, *The Earth tells its Story*, has just been published simultaneously in London and Toronto.

Educational Use of Computers—a Kaleidoscopic View, by S. L. Kong, a monograph published by the Metropolitan Toronto Education Research Council, December, 1967.

